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Finding the Magic Pill - Migrating mission critical applications to Cloud

Microland Client is a global integrated pharmaceutical company offering a wide range of products and services to customers across 85 countries and has 8,000+ employees. The business is organized as Specialty Pharmaceuticals, Contract Development Manufacturing Organization (CDMO) and Generics.

The Client Need

The client has an on-premise data center with Windows server environment employing VMware virtualization and storage infrastructure in excess of 20 TB.   The data center hosted 150+ key applications including Baan ERP / supply chain management, IBM Maximo asset management software, Java and .net based custom apps and collaboration suite accompanied by all support applications including identity management, core infra services and security services.   The client had a minimalistic DR strategy with just a handful of critical business applications being covered under the DR plan.   The DR site was not really designed to take on the full application capacity usage load in the event of a disaster and had several issues of performance and storage capacity.

The client embarked upon a strategic program towards adoption of a cloud-based data center to ensure the infrastructure was resilient and could effectively leverage latest technologies.   To realize the benefits of the cloud-first strategy, client needed a partner they could trust: One who understood the business needs, provided a proven record in collaboration, and technical delivery, and had the capacity to deliver technically complex and time-critical projects.   Microland was chosen as the primary delivery partner because of its three decades of experience in managing complex IT infrastructure estate and deep technical expertise.

The Migration Journey

The objectives were clear: move the workloads securely and quickly to chosen cloud, setup a back-up as soon as workloads were moved to new destination, implement a patching and monitoring strategy for the entire system to ensure smooth operations. Microland designed the next generation architecture and proposed a comprehensive execution plan within 7 days.

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The chosen cloud provider was AWS and a "lift and shift" migration strategy was adopted to move the workloads from on-premise data center to AWS. Microland team executed the complete migration within 10 days to ensure that business continuity was maintained, and the business could operate at a significantly higher performance. The pace of change also enabled the client to terminate the contract with the Disaster Recovery service provider whose contract was coming up for renewal.

Plan
Design
Migration
Within 3 weeks

In addition to planning, designing and migration Microland ensured that the whole program incorporated AWS best practices at every stage. Microland ensured that the network and security parameters were all optimized to deliver optimum performance. Microland had to ensure that all the security patches were all up to date on the AWS servers. The challenges of earlier storage capacity issues were addressed coupled with ensuring real-time backup. Microland used several services from AWS including CloudEndure for migration, AWS CloudWatch to monitor the health of the system, AWS Snapshot to back-up the data and AWS Systems Manager for patching, AWS Lambda to integrate the infrastructure monitoring with Microland's in-house ticketing system - SmartCenter.

This is a stellar reference for Microland's ability to quick-migrate complex environments, helping organizations harvest the benefits of true digital transformation. As the company perseveres to find cures for maladies, Microland found their magic pill. IT infra for the client was now generations ahead.

About Microland
Microland's delivery of digital is all about making technology do more and intrude less. As we help enterprises move to nextGen technologies, we make sure this embrace of brilliance is predictable, reliable and stable. Incorporated in 1989 and headquartered in Bengaluru, India, Microland comprises more than 4,500+ digital specialists across offices and delivery centers in Asia, Australia, Europe, Middle East and North America.